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CORDLESS DRILL / SCREWDRIVER

POW30650

1 APPLICATION

The power tool is intended for driving and drilling through wood, metal, plastics and masonry. It is not designed for commercial use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG A)

- | | |
|--|--------------------|
| 1. ON / OFF switch | 6. Battery pack |
| 2. Clockwise/anticlockwise action switch | 7. Battery snapper |
| 3. High/low speed setting | 8. Charger |
| 4. Torque setting ring | 9. Power supply |
| 5. Chuck (for drilling/driving) | 10. LCD knob |
| | 11. LCD |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

1pc machine
1pc battery
1pc charger
6pcs drills

6pcs bits
1pc bit holder
1pc manual



When parts are missing or damaged, please contact your dealer.

4 SYMBOLS

The following symbols are used in this manual and/or on the machine:

	Denotes risk of personal injury or damage to the tool.		Read manual before use
	In accordance with essential safety standards of applicable European directives		Class II - The machine is double insulated; Earthing wire is therefore not necessary.

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.

- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

5.4 Power tool use and care

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

5.5 Service

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

6 SPECIFIC SAFETY WARNINGS FOR CORDLESS DRILL/DRIVERS

- Important! Use of any accessories or attachments other than those supplied or recommended in these operating instructions can mean the risk of injury.
- When using the cordless drill/driver ear protectors and a face mask should be worn, particularly when hammer drilling in concrete. Exposure to noise can cause damage to hearing.
- Always use the guide handle supplied. Lack of control over the power tool can lead to injuries.
- Do not use the drill/driver on asbestos or materials containing asbestos.
- Do not leave power tools running unattended. Always switch off and do not put down or leave until it has stopped completely.
- Long hair must be covered. Do not work in loose fitting clothing.
- Be careful when working on walls. Damage to power supply lines, gas or water pipes can lead to dangerous situations. Use appropriate detectors to establish whether there are concealed wires or pipes in the working area.
- Secure the work piece. The work piece is only secure if it is held by work-holding devices or in a vice.

7 SAFETY INSTRUCTIONS FOR CHARGER UNIT AND BATTERIES:

- The battery pack should be removed before maintenance or lengthy periods of non-use.
- The battery should be charged every six months during lengthy periods of non-use.
- Only use the recommended battery pack of our POW30650
- Please read the regulations and safety instructions before charging the battery.

- Only use the specified charger unit for charging the battery. Do not charge any other batteries with this charger unit. The mains adapter should only be used together with this charger unit and the appropriate battery pack of the POW30650.
- The charger unit should only be used in a dry environment at temperatures between 10°C and 40°C.
- Do not use the charger unit if it is damaged.
- Only have the charger unit and the battery repaired by an authorised after-sales service department.
- Avoid short-circuiting the battery. Ensure that the battery terminals do not come into contact with metal objects.
- Do not keep the battery in places where the temperature can reach 50°C and more, for example in a car parked in the sun.
- Do not attempt to burn the battery.
- Never try to open the battery.
- If battery fluid (a 25 to 30% solution of potassium hydroxide), comes into contact with the skin, immediately rinse the skin with plenty of water. Neutralise the solution with a mild acid, such as lemon juice or vinegar. If the solution comes into contact with eyes, rinse them with running water for at least ten minutes, and then consult your doctor.

8 OPERATION

8.1 Charging the battery :

(For the charger unit and battery capacities, see Technical data)

8.1.1 Before start-up :

- First check the LCD (11) for battery capacity before use.
- press LCD knob (10) before using
- Only use the drill with above 80% capacity
- Please recharge the battery below 60 %
- When you have used the battery intensively, you should let it cool down +/- 10 minutes before recharging.
- Keep rechargeable battery away from heat and fire.
- Don't store the device close to heat sources or in direct sunlight. Protect it against temperatures above 50°C.

8.1.2 Charging :

- Charge the battery before you use the cordless drill for the first time.
- Slide the direction switch (2) to the centre setting before you take the battery out of the machine. This will ensure that the drill will not start accidentally.
- Press the side snap fastening (7) and remove the battery (6)
- Place the power supply plug in a 230V/50Hz socket.
- Connect the power supply to the charger (8)
- Place the battery into the charger station. The incorrect position has a block - do NOT use force.
- In order to fully charge the battery cell, the charging time in the first three charge cycles must be over 12 hours. After that, charging time will be only 3-5 hours.
- When charger is put to the mains supply, the green light will go ON, when the battery is connected to the charger, the red light is also ON, when the battery is fully charged, the red light will go OUT.
- A full battery will not discharge, even if it is not being used.
- Never completely discharge the rechargeable battery
- You will have long service life if the rechargeable battery is regularly loaded and then recharged.

8.2 *Operating instructions :*

8.2.1 Setting the torque :

- Your cordless drill is fitted with a 24-level torque setting (4) with a slip coupling. This enables you to select the perfect setting for the job in hand.
- Start work with a low torque setting.
- When you insert the first screw you will find out how much torque is required.
- If the torque provided by the current setting is inadequate, set it to the next level.
- If the screw can be inserted as intended down to the surface of the workpiece, the drill/screwdriver is set to the correct torque.

8.2.2 Keyless chuck :

- To insert drill bits : set the drill to turn clockwise, insert the bit and hold the front ring on the chuck. Start the drill at a slow speed.
- To remove drill bits : set the drill to turn anti-clockwise and hold front ring on the chuck. Start the drill at a low speed.

8.2.3 Electronic speed control :

- By pressing the ON/OFF switch (1) you can control the speed of the drill from 0 to maximum speed.

8.2.4 Direction of rotation :

- Set speed setting to 
- Set direction of rotation slider to clockwise rotation
- Position bit and slowly increase speed and drilling pressure.

8.2.5 Screwing :

- Torque setting to 1-24
- Set the direction of rotating slider to clockwise.
- For removing screws set it to anti-clockwise.
- Use the appropriate flathead or crosshead bit.

8.2.6 To switch over from 1st gear to 2nd gear :

You can use a higher or lower speed depending on the gear that you have selected.

- 1st gear : low speed (screw driving)
- 2nd gear : high speed (drilling)
- To avoid damaging the gear, always wait until the machine has reached a standstill before you move the gear switch.

9 CLEANING AND MAINTENANCE

9.1 Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.



Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

10 TECHNICAL DATA

Voltage / frequency charging unit	230 V / 50 Hz
Rated Voltage	14.4 V
Rotation speed 1 st gear	0-350 min ⁻¹
Rotation speed 2 nd gear	0-1250 min ⁻¹
Torque positions	24
Max. drill capacity	10 mm
Charger time	3/5 hours
Battery capacity	1300 mAh
Battery type	Ni-CD
Max. torque	15 Nm
Drill capacity concrete	/
Drill capacity steel	10 mm
Drill capacity wood	20 mm
Chuck type	Sanou keyless chuck
Number of speed settings	2

11 NOISE

Noise values measured according to relevant standard. (K = 3)

Acoustic pressure level LpA	74 dB(A)
Acoustic power level LwA	85 dB(A)



ATTENTION! The sound power level may exceed 85 dB(A), in this case individual hearing protection shall be worn.

aw (Vibration)	6.5 m/s ²	K = 1.5 m/s ²
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12 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

13 STORAGE

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.

- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

14 WARRANTY

- This product is warranted as provided by law for a 24 -month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexperienced assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.
- Your tool must be charged at least 1x per month to ensure optimal operation of this tool.
- Attention: When using Ni-Cd batteries, the battery must be first fully discharged and then fully recharged. Thus you will prevent possible capacity loss.
- Your tool must be charged at least 1x per month to ensure optimal operation of this tool.
- Attention: When using Ni-Cd batteries, the battery must be first fully discharged and then fully recharged. Thus you will prevent possible capacity loss.

15 ENVIRONMENT



Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way. Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

16 BATTERY PACK

This product contains nickel-cadmium. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of nickel-cadmium batteries in ordinary trash. Consult you local waste authority for information regarding available recycling and/or disposal options.

17 DECLARATION OF CONFORMITY

VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
product : Drill - Battery operated
trade mark : POWERplus
model : POW30650

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments):

2004/108/EC

2006/42/EC

European harmonized standards (including, if applicable, their amendments):

EN60745-1 : 2009

EN60745-2-1 : 2003

EN55014-1 : 2006

EN55014-2 : 1997

The undersigned acts on behalf of the company management,

Philippe Vankerkhove
Certification Manager
28/02/12